

## PAR 1110.2 PRELIMINARY DRAFT BOARD LETTER

- PROPOSAL:** Amend Rule 1110.2 – Emissions from Gaseous- and Liquid-Fueled Internal Combustion Engines
- SYNOPSIS:** The proposed amendment to Rule 1110.2 will add an exemption for one facility in southwestern Riverside County on Santa Rosa Peak at over 7,400 foot altitude that does not have access to electric power or natural gas. The facility includes a communications tower and support equipment operated by Riverside County and used by a number of government agencies. The site has limited access during winter. This exemption will allow the use of diesel generators at the site.

### **Background and**

The purpose of AQMD Rule 1110.2 – Emissions from Gaseous- and Liquid-Fueled Internal Combustion Engines is to reduce emissions from internal combustion engines. Gas and liquid fuel fired engines are used to provide power or electricity for a wide variety of applications. Rule 1110.2 applies to gaseous- and liquid-fueled engines producing more than 50 brake-horsepower. Rule 1110.2 was adopted in August 1990 and last amended in February 2008 in order to lower emission limits and improve compliance through regular monitoring, recordkeeping and reporting.

Proposed Amended Rule (PAR) 1110.2 will add an exemption to the rule for one public safety communications site in the AQMD where electricity and natural gas are not available. The public safety communications site is located at high altitude with heavy snowpack in the winter. Propane fueled engines are not practical for generating electricity at the site because it is not accessible to large delivery trucks over extended periods of time in winter. The proposed amendment will allow the site to use diesel engines producing more than 50 brake-horsepower. However, the engines must still comply with the requirements of the California Air Toxic Control Measure for compression ignition engines.

### **Affected Facilities**

Proposed Rule 1110.2 affects one facility on Santa Rosa Peak at over 7,400 foot altitude in southwestern Riverside County. The facility includes a communications tower and support equipment for use by government agencies. The communications center is used by fire, police and other public safety agencies and is necessary because of the varied terrain throughout Riverside County. The facility is being rebuilt with a new tower and support equipment for new communication systems. When the facility modifications are complete, the site will have new diesel electric generators for providing power to the communications systems.

### **Summary of Proposal**

The proposed amendments will add the following text to the exemption in subparagraph (h)(8) of Rule 1110.2: “and engines operated by the County of Riverside for the purpose of public safety communication at Santa Rosa Peak in Riverside County, where the site is located at an elevation of higher than 7,400 feet above sea level and is without access to electric power and natural gas”).

### **Emissions and Cost Effectiveness**

The proposed amendment will result in maximum daily emission increases of 17 pounds of NO<sub>x</sub>, 1 pound VOC and less than 1 pound of PM and SO<sub>x</sub> compared with a Rule 1110.2 compliant engine. However, it will decrease emissions of CO up to 11 pounds per day relative to a rule compliant engine. As PAR 1110.2 will provide an exemption for one remote site, there is no additional cost and a cost effectiveness analysis was not prepared.

### **California Environmental Quality Act (CEQA) Analysis**

Pursuant to California Environmental Quality Act (CEQA) Guidelines §15252 and AQMD Rule 110, the AQMD is preparing a Draft Environmental Assessment (EA) to analyze any potential adverse environmental impacts associated with PAR 1110.2. Upon completion, the CEQA document will be released for public review and comment, and will be available at AQMD Headquarters, by calling the AQMD Public Information Center at (909) 396-2039, or by accessing AQMD’s CEQA website at: [www.aqmd.gov/ceqa](http://www.aqmd.gov/ceqa).

### **Socioeconomic Analysis**

The proposed amendments provide regulatory relief to a remote site in the mountains of Riverside County. As such, cost savings is expected. The proposed amendments would not result in other socioeconomic impacts.

### **Draft Findings under California Health and Safety (H&S) Code**

California H&S Code §40727 requires that prior to adopting, amending or repealing a rule or regulation, the AQMD Governing Board shall make findings of necessity,

authority, clarity, consistency, non-duplication, and reference based on relevant information presented at the public hearing and in the staff report.

#### Necessity

A need exists to amend Rule 1110.2 so that a remote public safety communications site will remain operational in case of an emergency.

#### Authority

The AQMD Governing Board has authority to amend existing Rule 1110.2 pursuant to California H&S Code §§ 39002, 40000, 40001, 40440, 40441, 40702, 40725 through 40728, and 41508.

#### Clarity

The proposed amended rule is written or displayed so that its meaning can be easily understood by the persons directly affected.

#### Consistency

The proposed amended rule is in harmony with and not in conflict with or contradictory to, existing statutes, court decisions or state or federal regulations.

#### Non-Duplication

The proposed amended rule will not impose the same requirements as any existing state or federal regulations. The amendments are necessary and proper to execute the powers and duties granted to, and imposed upon, AQMD.

#### Reference

By adopting the proposed amended rule, the AQMD Governing Board will be implementing, interpreting and making specific the provisions of the California H&S Code §§ 39002, 40001, 40440(a), 40702, and 40725 through 40728.5.

### **Comparative Analysis**

A comparative analysis, as required by H&S Code §40727.2, is applicable when an amended rule or regulation imposes, or has the potential to impose, a new emissions limit, or other air pollution control requirements. The proposed amendment does not impose new requirements and a comparative analysis is not required.

### **Incremental Cost Effectiveness**

California H&S Code § 40920.6 requires an incremental cost effectiveness analysis for BARCT rules or emission reduction strategies when there is more than one control option which would achieve the emission reduction objective of the proposed amendments, relative to ozone, CO, SOx, NOx, and their precursors. The proposed amendment does

not include new BARCT requirements; therefore this provision does not apply to the proposed amendment.

**Resource Impacts**

Existing staff resources are adequate to implement the proposed amendments.

**Attachment**

Proposed Amended Rule